located inside the mold cavity at a beginning-of-fill point.

39. The method of claim 34 wherein said set of hard disc drive components comprises a stator, voice coil motor and a base plate.

40. The method of claim 34 wherein said plurality of said hard disc drive component sets comprise at least one hundred component sets, said at least one hundred component sets having a median first order frequency and wherein each of said at least one hundred hard disc drive component sets with a phase change material thereon has a first order frequency that is within about three hundred Hertz of said median first order frequency.

41. The method of claim 40 wherein each of said at least one hundred hard disc drive component sets with a phase change material thereon has a first order frequency that is within about one hundred Hertz of said median first order frequency.

42. The method of claim 40 wherein each of said at least one hundred hard disc drive component sets with a phase change material thereon has a first order frequency that is within about thirty Hertz of said median first order frequency.

43. The method of claim 34 wherein the resonance spectra of said plurality of hard disc drive component sets with phase change material thereon have a standard deviation of first order resonance frequency that is at least about twenty five percent less than the standard deviation of first order resonance frequency for the same number of the same component sets over-molded with an injection molding process wherein only the injection pressure and either the

injection time or stroke of an extrusion screw are controlled.

44. The method of claim 34 wherein the resonance spectra of said plurality of hard disc drive component sets with phase change material thereon have a standard deviation of first order resonance frequency that is at least about fifty percent less than the standard deviation of first order resonance frequency for the same number of the same component sets over-molded with an injection molding process wherein only the injection pressure and either the injection time or stroke of an extrusion screw are controlled.

45. The method of claim 34 wherein said set of hard disc drive components are unitized by said monolithic body.

46. A method for injection molding a layer of phase change material around a surface of each of a plurality of identical motor components comprising:

a) providing a plurality of identical motor components;

b) placing one of said plurality of identical motor components in a mold cavity of an injection molding machine having a controllable fill rate and a controllable injection pressure;

c) closing said mold cavity;

d) injecting a molten phase change material into said mold cavity at a fill rate and injection pressure;

e) monitoring pressure in the mold cavity;

f) controlling either the fill rate or injection pressure or both of said molten phase change material to obtain said motor component with the phase change material thereon; and

g) repeating steps b)-f) to produce said plurality of motor components each having a substantially uniform resonance spectrum.

47. The method of claim 46 wherein the pressure is monitored at an injection to the mold cavity, a beginning-of-fill point and an end-of-fill point.

48. The method of claim 47 further comprising the step of controlling the injection pressure of said molten phase change material to help obtain said motor components with the phase change material thereon.

49. The method of claim 46 wherein the injection is carried out until predetermined beginning-of-fill and end-of-fill pressures are reached.

50. The method of claim 47 wherein the pressure at the end-of-fill point inside the mold cavity is measured by a pressure transducer associated with said end-of-fill point.

51. The method of claim 46 wherein a plurality of motor component sets are provided to produce a motor with a phase change material on a portion of the surface of said motor, wherein each motor component set comprises motor components that are used in a single motor.

52. The method of claim 51 wherein said motor is a motor selected from the group consisting of motors for use in automobiles or appliances or power tools.

53. The method of claim 46 wherein said plurality of said motor components comprise at least one hundred components, said at least one hundred components having a median first order frequency and wherein each of said at least one hundred motor components with a phase change material thereon has a